

LIS009409506B2

(12) United States Patent

Sahashi

(10) Patent No.: US 9,409,506 B2

(45) **Date of Patent:**

Aug. 9, 2016

(54) CONVEYANCE SEAT

(71) Applicant: TOYOTA BOSHOKU KABUSHIKI

KAISHA, Aichi-ken (JP)

(72) Inventor: Hideo Sahashi, Aichi-ken (JP)

(73) Assignee: TOYOTA BOSHOKU KABUSHIKI

KAISHA, Aichi-Ken (JP)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 14/494,725

(22) Filed: Sep. 24, 2014

(65) Prior Publication Data

US 2015/0091361 A1 Apr. 2, 2015

(30) Foreign Application Priority Data

(51)	Int. Cl.
	A47C 7/02
	B60N 2/72
	B60N 2/58

(2006.01) (2006.01) (2006.01)

B60N 2/68 (2006.01) **B60N 2/70** (2006.01)

(52) U.S. Cl.

CPC .. **B60N 2/72** (2013.01); **B60N 2/58** (2013.01); **B60N 2/5816** (2013.01); **B60N 2/68** (2013.01); **B60N 2/70** (2013.01)

(58) Field of Classification Search

CPC A47C 7/40; A47C 31/02; A47C 7/185; B60N 2/72; B60N 2/58; B60N 2/5816;

B60N 2/70 452.59, 452.57

(56) References Cited

U.S. PATENT DOCUMENTS

3,273,877	A *	9/1966	Geller et al 267/89			
3,833,454		9/1974	Ambrose			
5,647,635	A	7/1997	Aumond et al.			
5,893,579	A	4/1999	Kimura et al.			
7,669,929	B2	3/2010	Simon et al.			
7,871,126	B2	1/2011	Becker et al.			
8,240,759	B2 *	8/2012	Hobl et al 297/218.1			
8,919,878	B2 *	12/2014	Sakamoto 297/218.2			
(Continued)						

FOREIGN PATENT DOCUMENTS

CN	101362445	2/2009
CN	102673454	9/2012
DE	3001429	7/1980

(Continued)

OTHER PUBLICATIONS

Germany Office action, dated Dec. 3, 2014 along with an English translation thereof.

(Continued)

Primary Examiner — Laurie K Cranmer (74) Attorney, Agent, or Firm — Greenblum & Bernstein P.L.C.

(57) ABSTRACT

A conveyance seat includes: a seat frame; a seat pad that covers the seat frame; and a seat cover that covers the seat pad and that is fixed to the seat frame. The seat pad has a U-shaped portion formed by a supporting portion, a side surface portion that is continuous with the supporting portion, and a tension adjusting portion that is continuous with the side surface portion, the tension adjusting portion having a protruding portion as a portion of the tension adjusting portion that protrudes toward the seat cover. The protruding portion abuts against the seat cover.

20 Claims, 3 Drawing Sheets

